CRITERIA HAVING NONCOMPLIANCES SUPPLEMENT TO THE FY 2003 ACSEP REPORT

Prepared by Aircraft Certification Service

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INTRODUCTION

The following tables provide the specific criteria data collected during FY 2003 ACSEP evaluations conducted at production approval holders. Tables 1 through 3 present data from all approval types combined. The remainder of the tables present data for the particular approval type specified.

Table 1. – Systemic Noncompliances

<i>a.</i>	Table 1. – Systemic Noncompliances					
Criteria	Description	Number of	Percent of	Percent with		
		Systemic	Total Systemic	Procedures in		
	XX7 1	Noncompliances	Noncomplinces	Place		
	Work instructions					
401	control manufacturing	21	CO /	110/		
401	process	21	6%	11%		
413	Receiving inspection	20	6%	10%		
602	Initial and periodic	10	7 0/	100/		
602	evaluation of suppliers	18	5%	10%		
500	Tool and gauge	1.0	7 0/	00/		
508	calibration	16	5%	8%		
402	Special processes	4.5	407	00/		
402	identified and defined	15	4%	9%		
427	Part marking	14	4%	7%		
116	Internal audit	12	3%	7%		
409	Inspection methods	12	3%	6%		
	Control of shelf life					
416	materials	12	3%	7%		
405	Manufacturing records	11	3%	6%		
	Nonconforming					
530	products controlled	11	3%	6%		
	Use of approved					
601	suppliers	10	3%	5%		
206	Minor design changes	9	3%	5%		
201	Drawing control system	8	2%	4%		
202	Technical data file	8	2%	4%		
	Internal audit results					
117	reported to management	7	2%	4%		
	Shipping of conforming					
428	products	6	2%	3%		
	Segregation of parts in					
424	storage	5	1%	3%		
	Storage of conforming					
426	parts	5	1%	3%		
	Test procedures					
513	controlled	5	1%	3%		
529	MRB	5	1%	3%		
	Operating within					
102	production limitations	4	1%	2%		
105	Quality manual in use	4	1%	2%		
204	Design change approval	4	1%	2%		
410	Inspection marking	4	1%	2%		
411	Issuance of stamps	4	1%	2%		

Criteria	Description	Number of	Percent of	Percent with
		Systemic	Total Systemic	Procedures in
		Noncompliances	Noncomplinces	Place
	Receiving inspection			
414	records	4	1%	2%
420	Traceability to split lots	4	1%	3%
	Prevention of part			
422	damage/contamination	4	1%	2%
521	NDI operators qualified	4	1%	3%
	Delegation of inspection			
607	to supplier	4	1%	4%
	Tags, forms, etc.			
107	described	3	1%	2%
314	Verification prior to use	3	1%	3%
	Verification of shelf life			
415	materials	3	1%	2%
	Incorporation of design			
425	changes	3	1%	2%
	Tool and gauge			
507	accuracy	3	1%	2%
528	NDI records	3	1%	2%
	Quality review of			
614	purchase documents	3	1%	2%
	Policy document			
103	describes organization	2	1%	1%
	Design changes			
	appropriately			
205	documented	2	1%	1%
207	Major design changes	2	1%	1%
	Change documentation			
311	and approval	2	1%	2%
313	Software security	2	1%	2%
	Special process operator			
404	qualifications	2	1%	1%
412	Environmental controls	2	1%	2%
	Traceability of			
418	components	2	1%	1%
	Statistical sampling			
501	plans	2	1%	1%
509	Calibration standards	2	1%	1%
	Corrective action based			
534	on MRB	2	1%	1%
	Approval of supplier's			
603	quality manual	2	1%	2%

Criteria	Description	Number of Systemic	Percent of Total Systemic	Percent with Procedures in
		Noncompliances	Noncomplinces	Place
	Policy document		1%	
104	reviewed	1		1%
	Quality system data and		1%	
	changes submitted to			
106	FAA	1		1%
	Management review of		1%	
203	design changes	1		1%
	Software Configuration		1%	
301	Management Plan	1		1%
	Configuration Index		1%	
302	Document	1		1%
307	Software identification	1	1%	1%
	Programmed media		1%	
308	handling/storage	1		1%
	Software Configuration		1%	
310	Management Plan	1		1%
	Special process		1%	
406	equipment calibrated	1		1%
	Identification of		1%	
408	inspection stations	1		1%
	Incoming material		1%	
417	segregated	1		1%
	Traceability to raw		1%	
419	material	1		1%
423	Control of cleaners	1	1%	1%
	Documents to importing		1%	
430	country	1		1%
431	Airworthiness approvals	1	1%	1%
	Protection of tools and		1%	
510	gauges	1		1%
511	SOT gauges	1	1%	1%
516	Test records	1	1%	1%
	NDI processes		1%	
520	controlled	1		1%
	NDI procedures		1%	
522	available	1		1%
	MRB major changes		1%	
531	FAA approved	1		1%
	Use of other party		1%	
605	registered suppliers	1		2%
	Control of direct ship		1%	
609	suppliers	1		2%

Criteria	Description	Number of	Percent of	Percent with
		Systemic	Total Systemic	Procedures in
		Noncompliances	Noncomplinces	Place
	Flow down of data to		1%	
611	suppliers	1		1%
	Control of supplier		1%	
612	design	1		1%
	Control of parts from		1%	
618	associate facilities	1		1%
619	Consotium activities	1	1%	2%
	Logbooks properly		1%	
706	annotated	1		2%

Table 2. – Isolated Noncompliances

C		- Isolatea Noncompli		D
Criteria	Description	Number of Isolated Noncompliances	Percent of Total Isolated Noncomplinces	Percent with Procedures in Place
508	Tool and gauge calibration	10	7%	5%
530	Nonconforming products controlled	9	7%	5%
202	Technical data file	9	7%	5%
401	Work instructions control manufacturing process	8	6%	4%
405	Manufacturing records	7	5%	4%
409	Inspection methods	6	4%	3%
406	Special process equipment calibrated	6	4%	4%
413	Receiving inspection	5	4%	3%
206	Minor design changes	5	4%	3%
602	Initial and periodic evaluation of suppliers	4	3%	2%
601	Use of approved suppliers	4	3%	2%
416	Control of shelf life materials	4	3%	2%
501	Statistical sampling plans	3	2%	2%
402	Special processes identified and defined	3	2%	2%
204	Design change approval	3	2%	2%
611	Flow down of data to suppliers	2	1%	1%
607	Delegation of inspection to supplier	2	1%	2%
510	Protection of tools and gauges	2	1%	1%
428	Shipping of conforming products	2	1%	1%
426	Storage of conforming parts	2	1%	1%

Criteria	Description	Number of Isolated Noncompliances	Percent of Total Isolated Noncomplinces	Percent with Procedures in Place
414	Receiving inspection records	2	1%	1%
411	Issuance of stamps	2	1%	1%
404	Special process operator qualifications	2	1%	1%
403	New or changed processes approved	2	1%	1%
314	Verification prior to use	2	1%	2%
205	Design changes appropriately documented	2	1%	1%
201	Drawing control system	2	1%	1%
107	Tags, forms, etc. described	2	1%	1%
106	Quality system data and changes submitted to FAA	2	1%	1%
609	Control of direct ship suppliers	1	1%	2%
534	Corrective action based on MRB	1	1%	1%
533	MRB major or minor determination	1	1%	1%
527	NDI tanks and solutions	1	1%	1%
526	NDI test samples	1	1%	1%
522	NDI procedures available	1	1%	1%
520	NDI processes controlled	1	1%	1%
519	Flight check-off form	1	1%	2%
514	Organizational review of test procedures	1	1%	1%
512	Tool control of NDI equipment	1	1%	1%
504	SPC control limits	1	1%	1%
427	Part marking	1	1%	1%
423	Control of cleaners	1	1%	1%

Criteria	Description	Number of Isolated Noncompliances	Percent of Total Isolated Noncomplinces	Percent with Procedures in Place
420	Traceability to split lots	1	1%	1%
417	Incoming material segregated	1	1%	1%
412	Environmental controls	1	1%	1%
312	Software problem reporting	1	1%	1%
306	Software Development Environment	1	1%	1%
207	Major design changes	1	1%	1%
117	Internal audit results reported to management	1	1%	1%
112	Feedback from users	1	1%	1%
103	Policy document describes organization	1	1%	1%
102	Operating within production limitations	1	1%	1%

Table 3. – CFR-Based Noncompliances

Criteria	Description	Number of CFR-	Percent of Total	Percent
01100110	2 00011 1011	Based	CFR-Based	with
		Noncompliances	Noncompliances	Procedures
		•	•	in Place
427	Part marking	3	11%	2%
408	Identification of	3	11%	2%
	inspection stations			
402	Special processes	3	11%	2%
	identified and			
	defined			
202	Technical data file	2	7%	1%
109	Facility relocations	2	7%	2%
	reported			
704	MMF work	1	4%	2%
	performed IAW			
	approved data			
602	Initial and periodic	1	4%	1%
	evaluation of			
	suppliers			
534	Corrective action	1	4%	1%
	based on MRB			
533	MRB major or	1	4%	1%
	minor			
	determination			
529	MRB	1	4%	1%
519	Flight check-off	1	4%	2%
	form			
513	Test procedures	1	4%	1%
	controlled			
508	Tool and gauge	1	4%	1%
	calibration			
425	Incorporation of	1	4%	1%
	design changes			
413	Receiving	1	4%	1%
	inspection			
409	Inspection methods	1	4%	1%
401	Work instructions	1	4%	1%
	control			
	manufacturing			
	process			
207	Major design	1	4%	1%
	changes			
206	Minor design	1	4%	1%
	changes			

Table 4. – Systemic Noncompliances at TSO Facilities

G-'4-'		ic Noncompliances a		D 4 '47
Criteria	Description	Number of Systemic	Percent of TSO Systemic	Percent with Procedures
		Noncompliances	Noncompliances	in Place
508	Tool and gauge	5	6%	15%
300	calibration		070	1570
530	Nonconforming	5	6%	15%
	products controlled			
402	Special processes	4	5%	19%
	identified and defined			
413	Receiving inspection	4	5%	12%
426	Storage of conforming	4	5%	12%
	parts	_	_	
102	Operating within	3	3%	9%
116	production limitations	2	20/	00/
116	Internal audit	3	3%	9%
411	Issuance of stamps	3 3	3%	9%
422	Prevention of part	3	3%	9%
427	damage/contamination	3	3%	9%
107	Part marking Tags, forms, etc.	2	2%	6%
107	described	2	2%	0%
202	Technical data file	2	2%	6%
409	Inspection methods	2	2%	6%
412	Environmental	2	2%	8%
112	controls	_	270	070
416	Control of shelf life	2	2%	7%
	materials			
420	Traceability to split	2	2%	8%
	lots			
501	Statistical sampling	2	2%	8%
	plans			
529	MRB	2	2%	6%
602	Initial and periodic	2	2%	6%
	evaluation of suppliers	_	_	_
614	Quality review of	2	2%	8%
102	purchase documents	4	10/	201
103	Policy document	1	1%	3%
104	describes organization	1	10/	20/
104	Policy document reviewed	1	1%	3%
105		1	1%	3%
105	Quality manual in use Quality system data	1	1%	3%
100	and changes submitted	1	1 70	J 70
	to FAA			
L	VV 1 1 11 1	l .	J	i

117	Criteria	Description	Number of Systemic Noncompliances	Percent of TSO Systemic Noncompliances	Percent with Procedures in Place
Drawing control 1	117	Internal audit results	1		
201 Drawing control system 1 1% 3%		reported to			
203 Management review of design changes 1 1% 3%					
203 Management review of design changes 1 1% 3%	201	Drawing control	1	1%	3%
204 Design change 1 1% 3% 3% approval 205 Design changes 1 1% 3% 3% appropriately documented 206 Minor design changes 1 1% 3% 307 Software identification 1 1% 5% 311 Change 1 1% 5% documentation and approval 314 Verification prior to 1 1% 5% 401 Work instructions 1 1% 3% approval 314 Verification prior to 1 1% 3% approval 3% 401 Work instructions 1 1% 3% approval 404 Special process 1 1% 6% approval 405 Manufacturing process 1 1% 3% 406 Special process 1 1% 3% 406 Special process 1 1% 3% 406 Special process 1 1% 4% 4% 410 Inspection marking 1 1% 3% 3% 414 Receiving inspection 1 1% 3% 3% 415 Verification of shelf 1 1% 3% 3% 417 Incoming material 1 1% 3% 3% 418 Traceability of 1 1% 3% 3% 428 Shipping of 1 1% 3% approvals 431 Airworthiness 1 1% 3% 3% approvals 507 Tool and gauge 1 1% 3% 3%		·			
204 Design change approval	203		1	1%	3%
approval 205 Design changes 1 1 1 1 3 3 206 Minor design changes 1 1 1 1 5 5 307 Software identification 1 1 1 1 5 5 311 Change 1 1 1 1 5 5 312 Verification prior to 1 1 1 1 1 1 5 5 314 Verification prior to 1 1 1 1 1 1 1 1 315 Use					
appropriately documented 206 Minor design changes 1 1% 3% 307 Software identification 1 1% 5% 5% 311 Change 1 1% 5% documentation and approval 314 Verification prior to 1 1% 5% 401 Work instructions 1 1% 3% control manufacturing process 404 Special process 1 1% 6% 6% operator qualifications 405 Manufacturing records 1 1% 3% 406 Special process 1 1% 4% equipment calibrated 410 Inspection marking 1 1% 3% 414 Receiving inspection 1 1% 3% 3% 415 Verification of shelf 1 1% 3% 3% 415 Verification of shelf 1 1% 3% 3% segregated 418 Traceability of 1 1% 3% segregated 428 Shipping of 1 1% 3% 3% conforming products 431 Airworthiness 1 1% 3% approvals 507 Tool and gauge 1 1% 3% 3%	204		1	1%	3%
206 Minor design changes 1 1% 3%	205	Design changes	1	1%	3%
206 Minor design changes 1 1% 3% 307 Software identification 1 1 1% 5% 5% 311 Change 1 1% 5% 5% 311 Change 1 1% 5% 5% 400 More in the process 1 1% 5% 406 Special process 1 1% 3% 414 Receiving inspection records 415 Verification of shelf life materials 417 Incoming material segregated 418 Traceability of components 428 Shipping of conforming products 431 Airword in the process 1 1% 3% 3% 3% 3% 3% 3%					
307 Software identification 1 1% 5% 311 Change 1 1% 5% 311 Change 1 1% 5% 314 Verification prior to 1 1% 5% 401 Work instructions 1 1% 3% control manufacturing process 1 1% 6% 404 Special process 1 1% 3% 405 Manufacturing records 1 1% 3% 406 Special process 1 1% 4% equipment calibrated 410 Inspection marking 1 1% 3% 414 Receiving inspection records 1 1% 3% 415 Verification of shelf 1 1% 3% 417 Incoming material 1 1% 3% 418 Traceability of 1 1% 3% 428 Shipping of 1 1% 3% 431 Airworthiness 1 1% 3% 507 Tool and gauge 1 1% 3% 507 Tool and gauge 1 1% 3% 386		documented			
311 Change 1 1% 5%					
documentation and approval 314 Verification prior to use 1 1% 5%		Software identification	_		
314 Verification prior to use 1	311	documentation and	1	1%	5%
Use Work instructions Control manufacturing process Work instructions Control manufacturing process Work instructions Control manufacturing process Work instructions Wo	314		1	1%	5%
Control manufacturing process 1		-			
Process 1	401	Work instructions	1	1%	3%
404 Special process operator qualifications 1 1% 6% 405 Manufacturing records 1 1% 3% 406 Special process equipment calibrated 1 1% 4% 410 Inspection marking 1 1% 3% 414 Receiving inspection records 1 1% 3% 415 Verification of shelf life materials 1 1% 3% 417 Incoming material segregated 1 1% 3% 418 Traceability of components 1 1% 3% 428 Shipping of conforming products 1 1% 3% 431 Airworthiness approvals 1 1% 3% 507 Tool and gauge 1 1% 3%		control manufacturing			
Operator qualifications 405 Manufacturing records 1 1 1 1 3 3 4 4 4 6 4 6 6 6 6 6		process			
405 Manufacturing records 1 1% 3% 406 Special process equipment calibrated 1 1% 4% 410 Inspection marking 1 1% 3% 414 Receiving inspection records 1 1% 3% 415 Verification of shelf life materials 1 1% 3% 417 Incoming material segregated 1 1% 3% 418 Traceability of components 1 1% 3% 428 Shipping of conforming products 1 1% 3% 431 Airworthiness approvals 1 1% 3% 507 Tool and gauge 1 1% 3%	404	Special process	1	1%	6%
406 Special process equipment calibrated 1 1% 4% 410 Inspection marking 1 1% 3% 414 Receiving inspection records 1 1% 3% 415 Verification of shelf life materials 1 1% 3% 417 Incoming material segregated 1 1% 3% 418 Traceability of components 1 1% 3% 428 Shipping of conforming products 1 1% 3% 431 Airworthiness approvals 1 1% 3% 507 Tool and gauge 1 1% 3%					
equipment calibrated	405	Manufacturing records	1	1%	3%
410 Inspection marking 1 1% 3% 414 Receiving inspection records 1 1% 3% 415 Verification of shelf life materials 1 1% 3% 417 Incoming material segregated 1 1% 3% 418 Traceability of components 1 1% 3% 428 Shipping of conforming products 1 1% 3% 431 Airworthiness approvals 1 1% 3% 507 Tool and gauge 1 1% 3%	406	Special process	1	1%	4%
414 Receiving inspection records 1 1% 3% 415 Verification of shelf life materials 1 1% 3% 417 Incoming material segregated 1 1% 3% 418 Traceability of components 1 1% 3% 428 Shipping of conforming products 1 1% 3% 431 Airworthiness approvals 1 1% 3% 507 Tool and gauge 1 1% 3%		equipment calibrated			
1					
415 Verification of shelf life materials 1 1% 3% 417 Incoming material segregated 1 1% 3% 418 Traceability of components 1 1% 3% 428 Shipping of conforming products 1 1% 3% 431 Airworthiness approvals 1 1% 3% 507 Tool and gauge 1 1% 3%	414		1	1%	3%
1	115		1	104	30/-
417 Incoming material segregated 1 1% 3% 418 Traceability of components 1 1% 3% 428 Shipping of conforming products 1 1% 3% 431 Airworthiness approvals 1 1% 3% 507 Tool and gauge 1 1% 3%	413		1	1 70	3%
segregated 418 Traceability of components 1 1% 3% 428 Shipping of conforming products 1 1% 3% 431 Airworthiness approvals 1 1% 3% 507 Tool and gauge 1 1% 3%	417		1	10%	3%
418 Traceability of components 1 1% 3% 428 Shipping of conforming products 1 1% 3% 431 Airworthiness approvals 1 1% 3% 507 Tool and gauge 1 1% 3%	71/	_	1	1 /0	370
components 1 1% 3% 428 Shipping of conforming products 1 1% 3% 431 Airworthiness approvals 1 1% 3% 507 Tool and gauge 1 1% 3%	<u>118</u>	•	1	1%	3%
428 Shipping of conforming products 431 Airworthiness 1 1% 3% approvals 507 Tool and gauge 1 1% 3%	710	1	1	1 /0	370
conforming products 431 Airworthiness 1 1% 3% approvals 507 Tool and gauge 1 1% 3%	428	*	1	1%	3%
431 Airworthiness approvals 1 1% 3% 507 Tool and gauge 1 1% 3%	720		1	1 /0	370
approvals 507 Tool and gauge 1 1% 3%	431		1	1%	3%
507 Tool and gauge 1 1% 3%	131		1	1 /0	370
	507		1	1%	3%
avautav v		accuracy	1	1/0	370

Criteria	Description	Number of	Percent of TSO	Percent with
		Systemic	Systemic	Procedures
		Noncompliances	Noncompliances	in Place
513	Test procedures	1	1%	3%
	controlled			
516	Test records	1	1%	8%
521	NDI operators	1	1%	5%
	qualified			
531	MRB major changes	1	1%	4%
	FAA approved			
534	Corrective action	1	1%	3%
	based on MRB			
601	Use of approved	1	1%	3%
	suppliers			

Table 5. – Isolated Noncompliances at TSO Facilities

Criteria	Description	Noncompliances at T	Percent of TSO	Percent
		Isolated	Isolated	with
		Noncompliances	Noncompliances	Procedures
				in Place
	Tool and gauge			
508	calibration	4	16%	12%
	Nonconforming			
530	products controlled	2	8%	6%
	Control of shelf life			
416	materials	2	8%	7%
405	Manufacturing records	2	8%	6%
	Flow down of data to			
611	suppliers	1	4%	4%
	Delegation of inspection			
607	to supplier	1	4%	4%
	Use of approved			
601	suppliers	1	4%	3%
504	SPC control limits	1	4%	4%
	Shipping of conforming			
428	products	1	4%	3%
	Receiving inspection			
414	records	1	4%	3%
413	Receiving inspection	1	4%	3%
411	Issuance of stamps	1	4%	3%
	Special process			
406	equipment calibrated	1	4%	4%
	Work instructions			
	control manufacturing			
401	process	1	4%	3%
	Software Development			
306	Environment	1	4%	5%
207	Major design changes	1	4%	3%
206	Minor design changes	1	4%	3%
202	Technical data file	1	4%	3%
	Internal audit results			
117	reported to management	1	4%	3%

Table 6. – CFR-Based Noncompliances at TSO Facilities

Criteria	Description	Number of CFR- Based Noncompliances	Percent of TSO CFR-Based Noncompliances	Percent with Procedures
	T1 ('C' (' C			in Place
	Identification of			
408	inspection stations	3	60%	9%
	Work instructions			
	control manufacturing			
401	process	1	20%	3%
	Facility relocations			
109	reported	1	20%	4%

Table 7. – Systemic Noncompliances at PC Facilities

Q !/	Table 7. – Systemic Noncompliances at PC Facilities				
Criteria	Description	Number of Systemic Noncompliances	Percent of PC Systemic Noncompliances	Percent with Procedures	
	Walsington			in Place	
	Work instructions				
401	control manufacturing	O	100/	210/	
	process	8 6	10%	21%	
405	Manufacturing records	0	7%	16%	
402	Special processes	_	60/	1.40/	
402	identified and defined	5	6%	14%	
500	Tool and gauge	4	5 0/	110/	
508	calibration	4	5%	11%	
10.1	Segregation of parts in		5 0.	4.4.07	
424	storage	4	5%	11%	
413	Receiving inspection	4	5%	11%	
409	Inspection methods	4	5%	11%	
	Initial and periodic				
602	evaluation of suppliers	3	4%	10%	
	Nonconforming				
530	products controlled	3	4%	8%	
	Control of shelf life				
416	materials	3	4%	8%	
529	MRB	2	2%	5%	
	Receiving inspection				
414	records	2	2%	5%	
410	Inspection marking	2	2%	5%	
	Verification prior to				
314	use	2	2%	8%	
313	Software security	2	2%	9%	
202	Technical data file	2	2%	5%	
619	Consotium activities	1	1%	6%	
	Control of supplier				
612	design	1	1%	3%	
	Flow down of data to	-	- / -	2,0	
611	suppliers	1	1%	3%	
	Control of direct ship	-	2,0	270	
609	suppliers	1	1%	9%	
337	Delegation of	1	170	270	
607	inspection to supplier	1	1%	4%	
007	Corrective action	1	1/0	170	
534	based on MRB	1	1%	3%	
528	NDI records	1	1%	3%	
320	NDI operators	1	1 70	3 70	
521	qualified	1	104	3%	
341	quanneu	1	1%	3%	

Criteria	Description	Number of Systemic Noncompliances	Percent of PC Systemic Noncompliances	Percent with Procedures in Place
	NDI processes			
520	controlled	1	1%	3%
	Test procedures			
513	controlled	1	1%	3%
509	Calibration standards	1	1%	3%
	Tool and gauge			
507	accuracy	1	1%	3%
	Documents to			
430	importing country	1	1%	3%
	Incorporation of			
425	design changes	1	1%	3%
	Traceability to split			
420	lots	1	1%	4%
	Verification of shelf			
415	life materials	1	1%	3%
411	Issuance of stamps	1	1%	3%
	Identification of			
408	inspection stations	1	1%	3%
	Change documentation and			
311	approval	1	1%	4%
	Configuration Index			
302	Document	1	1%	7%
	Software			
	Configuration			
301	Management Plan	1	1%	6%
	Drawing control			
201	system	1	1%	3%
	Internal audit results			
	reported to			
117	management	1	1%	3%
116	Internal audit	1	1%	3%
105	Quality manual in use	1	1%	3%
	Policy document			
103	describes organization	1	1%	3%

Table 8. – Isolated Noncompliances at PC Facilities

Table 8. – Isolated Noncompliances at PC Facilities Oritoria Description Number of Description				
Criteria	Description	Number of	Percent of PC	Percent with
		Isolated	Isolated	Procedures
400	Turner d'an marth a de	Noncompliances	Noncompliances	in Place
409	Inspection methods	6	13%	16%
	Work instructions			
	control			
401	manufacturing		120/	1.70/
401	process	6	13%	15%
40.5	Special process	_	110	1.204
406	equipment calibrated	5	11%	13%
202	Technical data file	3	6%	8%
	Nonconforming		4.5.	~
530	products controlled	2	4%	5%
	Manufacturing	_		
405	records	2	4%	5%
	Tags, forms, etc.			
107	described	2	4%	5%
	Flow down of data to			
611	suppliers	1	2%	3%
	Control of direct ship			
609	suppliers	1	2%	9%
	Use of approved			
601	suppliers	1	2%	3%
	Corrective action			
534	based on MRB	1	2%	3%
526	NDI test samples	1	2%	3%
519	Flight check-off form	1	2%	6%
	Tool control of NDI			
512	equipment	1	2%	3%
	Tool and gauge			
508	calibration	1	2%	3%
	Statistical sampling			
501	plans	1	2%	3%
423	Control of cleaners	1	2%	3%
	Incoming material			
417	segregated	1	2%	3%
413	Receiving inspection	1	2%	3%
	Environmental			
412	controls	1	2%	3%
	Special process			
	operator			
404	qualifications	1	2%	3%
	New or changed			
403	processes approved	1	2%	3%

Criteria	Description	Number of	Percent of PC	Percent with
		Isolated	Isolated	Procedures
		Noncompliances	Noncompliances	in Place
	Special processes			
402	identified and defined	1	2%	3%
	Verification prior to			
314	use	1	2%	4%
	Software problem			
312	reporting	1	2%	4%
206	Minor design changes	1	2%	3%
	Design changes			
	appropriately			
205	documented	1	2%	3%
	Drawing control			
201	system	1	2%	3%

Table 9. – CFR-Based Noncompliances at PC Facilities

Criteria	Description	Number of CFR-	Percent of PC	Percent
		Based	CFR-Based	with
		Noncompliances	Noncompliances	Procedures
				in Place
	MMF work performed			
704	IAW approved data	1	11%	17%
	Corrective action based			
534	on MRB	1	11%	3%
	MRB major or minor			
533	determination	1	11%	3%
529	MRB	1	11%	3%
	Tool and gauge			
508	calibration	1	11%	3%
	Incorporation of design			
425	changes	1	11%	3%
206	Minor design changes	1	11%	3%
202	Technical data file	1	11%	3%
	Facility relocations			
109	reported	1	11%	4%

Table 10. – Systemic Noncompliances at PMA Facilities

Criteria	Description	c Noncompliances at Number of	Percent of PMA	Percent
	•	Systemic	Systemic	with
		Noncompliances	Noncompliances	Procedures
		•	-	in Place
	Initial and periodic			
602	evaluation of suppliers	13	8%	12%
413	Receiving inspection	12	7%	9%
427	Part marking	11	7%	9%
	Work instructions			
	control manufacturing			
401	process	10	6%	9%
	Use of approved			
601	suppliers	9	5%	8%
206	Minor design changes	8	5%	8%
116	Internal audit	8	5%	9%
	Tool and gauge			
508	calibration	7	4%	6%
	Control of shelf life			
416	materials	7	4%	7%
409	Inspection methods	6	4%	5%
405	Manufacturing records	6	4%	5%
	Special processes			
402	identified and defined	6	4%	6%
	Drawing control			
201	system	6	4%	5%
	Shipping of			
428	conforming products	5	3%	4%
	Internal audit results			
	reported to			
117	management	5	3%	6%
202	Technical data file	4	2%	3%
	Nonconforming			
530	products controlled	3	2%	2%
	Test procedures			
513	controlled	3	2%	3%
	Design change			
204	approval	3	2%	3%
	Approval of supplier's			
603	quality manual	2	1%	4%
521	NDI operators qualified	2	1%	3%
	Incorporation of design			
425	changes	2	1%	2%
207	Major design changes	2	1%	2%
105	Quality manual in use	2	1%	2%

Criteria	Description	Number of Systemic Noncompliances	Percent of PMA Systemic Noncompliances	Percent with Procedures in Place
	Logbooks properly			
706	annotated	1	1%	3%
	Control of parts from			
618	associate facilities	1	1%	3%
	Quality review of			
614	purchase documents	1	1%	1%
	Use of other party			_
605	registered suppliers	1	1%	3%
529	MRB	1	1%	1%
	NDI procedures			
522	available	1	1%	1%
511	SOT gauges	1	1%	1%
	Protection of tools and			
510	gauges	1	1%	1%
509	Calibration standards	1	1%	1%
	Tool and gauge			
507	accuracy	1	1%	1%
	Storage of conforming			
426	parts	1	1%	1%
	Segragation of parts in			
424	storage	1	1%	1%
423	Control of cleaners	1	1%	1%
	Prevention of part			
422	damage/contamination	1	1%	1%
420	Traceability to split lots	1	1%	1%
	Traceability of			
418	components	1	1%	1%
	Verification of shelf			
415	life materials	1	1%	1%
	Receiving inspection			
414	records	1	1%	1%
410	Inspection marking	1	1%	1%
	Special process			
404	operator qualifications	1	1%	1%
	Software Configuration			
310	Management Plan	1	1%	2%
	Programmed media			
308	handling/storage	1	1%	2%
	Design changes			
	appropriately			
205	documented	1	1%	1%

Criteria	Description	Number of Systemic Noncompliances	Percent of PMA Systemic Noncompliances	Percent with Procedures in Place
107	Tags, forms, etc. described	1	1%	1%
102	Operating within production limitations	1	1%	1%

Table 11. – Isolated Noncompliances at PMA Facilities

a	Table 11. – Isolated Noncompliances at PMA Facilities				
Criteria	Description	Number of	Percent of PMA	Percent	
		Isolated	Isolated	with	
		Noncompliances	Noncompliances	Procedures	
				in Place	
	Nonconforming				
530	products controlled	5	8%	4%	
	Tool and gauge				
508	calibration	5	8%	4%	
202	Technical data file	5	8%	4%	
	Initial and periodic				
602	evaluation of suppliers	4	6%	4%	
413	Receiving inspection	3	5%	2%	
405	Manufacturing records	3	5%	3%	
206	Minor design changes	3	5%	3%	
	Design change				
204	approval	3	5%	3%	
	Use of approved				
601	suppliers	2	3%	2%	
	Protection of tools and				
510	gauges	2	3%	2%	
	Statistical sampling				
501	plans	2	3%	2%	
	Storage of conforming				
426	parts	2	3%	2%	
	Control of shelf life				
416	materials	2	3%	2%	
	Quality system data				
	and changes submitted				
106	to FAA	2	3%	2%	
	Delegation of				
607	inspection to supplier	1	2%	2%	
	MRB major or minor				
533	determination	1	2%	1%	
	NDI tanks and				
527	solutions	1	2%	1%	
	NDI procedures				
522	available	1	2%	1%	
	NDI processes				
520	controlled	1	2%	1%	
	Organizational review				
514	of test procedures	1	2%	1%	
	Shipping of				
428	conforming products	1	2%	1%	
427	Part marking	1	2%	1%	

Criteria	Description	Number of Isolated Noncompliances	Percent of PMA Isolated Noncompliances	Percent with Procedures in Place
	Traceability to split			
420	lots	1	2%	1%
	Receiving inspection			
414	records	1	2%	1%
411	Issuance of stamps	1	2%	1%
	Special process			
404	operator qualifications	1	2%	1%
	New or changed			
403	processes approved	1	2%	1%
	Special processes			
402	identified and defined	1	2%	1%
	Work instructions			
	control manufacturing			
401	process	1	2%	1%
	Verification prior to			
314	use	1	2%	2%
	Design changes			
	appropriately			
205	documented	1	2%	1%
	Drawing control			
201	system	1	2%	1%
112	Feedback from users	1	2%	1%
	Policy document			
103	describes organization	1	2%	1%
	Operating within			
102	production limitations	1	2%	1%

Table 12. – CFR-Based Noncompliances at PMA Facilities

Criteria	Description	Number of CFR- Based Noncompliances	Percent of PMA CFR-Based Noncompliances	Percent with Procedures in Place
427	Part marking	3	23%	2%
	Special processes			
402	identified and defined	3	23%	3%
	Initial and periodic			
602	evaluation of suppliers	1	8%	1%
519	Flight check-off form	1	8%	3%
	Test procedures			
513	controlled	1	8%	1%
413	Receiving inspection	1	8%	1%
409	Inspection methods	1	8%	1%
207	Major design changes	1	8%	1%
202	Technical data file	1	8%	1%